NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Survey Contact

Contact Person: Maria Childers
Title: Associate Corporate Counsel
Address: 192 Raceway Drive

City/State/Zip: Mooresville NC 28117
Email: legal@sunenergy1.com
Telephone: (704) 662-0375 Ext. 104 Fax: (704) 662-0052 cell

Supervisor for Contact Person for Survey

Contact Person: Kenny Habul
Title: CEO
Address: 192 Raceway Drive

City/State/Zip: Mooresville NC 28117
Email: kenny@sunenergy1.com
Telephone: (704) 677-0375 Ext. 175 Fax: Cell

REPORT FOR: Operator SunEnergy1 58466

Reporting as of December 31 2014

Name and Address of reporting Entity

Operator Legal Name: SunEnergy1
Address: 192 Raceway Dr

City/State/Zip: Mooresville NC 28117

What is the reporting entity's relationship to the power plants reported on Schedule 2?
- check all that apply.

- [X] **Owner**
- [ ] **Operator**
- [ ] **Asset Manager**
- [ ] **Other - Explain**

What type of entity is the principal owner and/or operator for the power plants reported on this form ?
- check one.

- [ ] **Cooperative**
- [ ] **Investor-Owned Utility(IOU)**
- [X] **Independent Power Producer(IPP)**
- [ ] **Municipally-Owned Utility**
- [ ] **Political Subdivision**
- [ ] **Federally-Owned Utility**
- [ ] **State-Owned Utility**
- [ ] **Industrial (principal business is not electricity generation)**
- [ ] **Commerical (principal business is not electricity generation)**

REPORT FOR OPERATOR: SunEnergy1 58466

Reporting as of December 31, 2014

SCHEDULE 2. POWER PLANT DATA
(EXISTING POWER PLANTS AND THOSE PLANNED FOR INITIAL OPERATION WITHIN 10 YEARS)

EIA Plant Code	58480
1. Plant Name	Plymouth Solar LLC
2. Plant Address	Mackey's Rd and Industrial Par
	Washington
	NC 27962 Plymouth
3. Latitude/Longitude	35.875 Plant Longitude (in decimal format) -76.710556
4. NERC Region	SERC
5. What is this plant's balancing authority	14725 PJM NC PJM Interconnection, LLC
6. Name Of Water Source (For Purpose of C	
7. Steam Plant_type	(4) Plants with non-steam fueled generators (wind, PV, geothermal, fuel cell, combustion turbines, IC engines, etc.) and electric generators not meeting conditions of categories above.
8a. Primary Purpose of the Plant (North American Industry Classification System Code)	22
8b. Does this plant have a Net Meetering Agreement	
9a. Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) Cogenerator status? If Yes, provide all QF docket number(s). Separate by using a comma.	N
9b.	
10a. Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) small Power Producer status? If Yes, provide all QF docket number(s). Separate by using a comma.	Y
10b. QF12-162-000	
11a. Does this plant have Federal Energy Regulatory Commission (FERC) Qualifying Facility (QF) Exempt Wholesale Generator status? If Yes, provide all QF docket number(s). Separate by using a comma.	N
11b.	
12a. Is there an ash impoundment (e.g. pond, reservoir) at the plant?	N
12b. Is this impoundment lined? X	**12c. What was the ash impoundment status as of 12/31of the reporting year?**

13. Owner of Transmission and/or Distribution Facilities: Enter the name of the owner of the transmission or distribution facilities to which the plant is interconnected and the grid voltage at the point of interconnection.

Dominion Energy Inc

5248 VA

14. Grid Voltage in kilvolts	34.5	kV	kV	kV

15a. Reserved for future use.

15b. Reserved for future us

16. What is the name of the natural gas pipelines(s) that is connected to your facility?

17. Plant Long Name

Plant Notes

SCHEDULE 3. PART A. GENERATOR INFORMATION - GENERATORS
(EXISTING GENERATORS AND THOSE PLANNED FOR INITIAL COMMERCIAL OPERATION WITHIN 10 YEARS)

(Complete One Column for Each Generator, by Plant)

Report For Operator: 58466 SunEnergy1

Report as of December 31 2014

Plant Name Plymouth Solar LLC

EIA Plant Code 58480

1. What is the generator ID for this generator? - Generator ID is the identification most commonly used by plant management to reference this generator. - Enter unique ID for each generator.	1
2 What is this generator's prime mover? - Select prime mover code from Table 2 in SCHEDULE 3, Part A Instructions. - For combined cycle units, enter a prime mover code for each generator.	PV
3. What is this generator's unit or multi-generator code? - A unit ot multi-generator code is the unique 4-character code associated with multiple generators that operate as a single unit (such as a combined cycle unit) - Each generator operating as a single unit should have the same unit or multi-generator code. - Leave blank if this generator does not operate as a single unit with another generator.	
4. What is this generator's ownership code? - See Table 3 in SCHEDULE 3, Part A instructions for list of ownership codes.	S
5. Does this generator have duct burners for the supplementary firing of the turbine exhaust gas? - Answer only for generators with a combined cycle prime mover codes of CA, CS or CC.	Yes ☐ No ☐
6. Can this generator operate while bypassing the heat recovery steam generator? - Answer only for generators with a combined cycle prime mover code of CT or CC.	Yes ☐ No ☐
7a. For this generator what is the RTO/ISO LMP price node designation? - If this generator operates in an electric system operated by a Regional Transmission Organization (RTO) or Independent System Operator (ISO) and the RTO/ISO calculates a nodal Locational Marginal Price (LMP) at the generator location, then provide the nodal designation used to identify the price node in RTO/ISO LMP price reports.	
7b. For this generator what is the RTO/ISO location designation for reporting wholesale sales data to FERC? - If htis generator operates in an electric system operated by a Regional Transmission Organization (RTO) or Independent System Operator (ISO) and the generator's wholesale sales transaction data is reported to FERC for the Electric Quarterly Report, then provide the designation used to report the specific location of the wholesales sales transaction to FERC. In many cases the RTO/ISO location designation may be the same as the RTO/ISO LMP price node	

SCHEDULE 3. PART B. GENERATOR INFORMATION - OPERABLE GENERATORS

Complete one SCHEDULE 3, Part B for each generator at this plant that is in commercial operation or capable of commercial operation.

Report For Operator: SunEnergy1 58466

Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC **Generator ID** 1

EIA Plant Code 58480

1a. What is this generator's nameplate capacity? **(Megawatts)** 5.0
-Report the highest value in megawatts as measured in alternating current.
-If capacity is expressed in kilovolt amperes, convert to megswatts using formula in SCHEDULE 3, Part B instructions.
-Round nameplate capacity to the nearest tenth.

1b. What is this generator's nameplate power factor? **(Megawatts)**
-Use the same power factor as the one used to convert the generator's kilovolt ampere measure to megawatts in Question 1a.
-Solar photovoltaic systems, wind turbine, batteries, fuel cells, and flywheels may skip this question.

2. What is this generator's net capacity?
-Report net summer capacity and net winter capacity for primary fuel source.
-Report in megawatts as measured in alternating current.
-Round capacity to the nearest tenth.
-If the net summer capacity exceeds the nameplate capacity reported for Question 1A, explain in SCHEDULE 7.
-For solar photovoltaic generators report the peark net capacity during the day for the gencrator assuming clear sky conditions for summer capacity and on December 21 for winter capacity.

Net summer capacity **(Megawatts)** 5.0

Net winter capacity **(Megawatts)** 3.0

3. What minimum load can this generator operate at continuously?
-Solar generators may skip this question
-For generators that entered a unit code on SCHEDULE 3, Part A report load when all generators are operating at minimum load.

4a. Was an uprate or derate project completed on this generator during the reporting year?

Yes - Continue to Question 4b Yes ☐

No - Continue to Question 5 No ☒

4b. When was this uprate or derate project completed? /

5a. What was the status of this generator as of December 31 of the reporting year? OP
-Select the status code from Table 4 in SCHEDULE 3, Part B of the instructions.
-If Status code is SB, go to Question 5b.
-For all other status codes, go to Question 6.

5b. Is this generator equipped to be synchronized to the grid? Yes ☐ No ☐
-Answer only if the status code reported in question 5a is SB.

6. When did this generator begin commercial operation? **(MM-YYYY)** 9/2012

7. When was this generator retired? **(MM-YYYY)** /

8. If this generator will be retired in the next ten years, what is its estimated retirement date? **(MM-YYYY)** /

9. Is this generator associated with a combined heat and power system?

Yes - Continue to Question 10 Yes ☐

No - Continue to Question 11 No ☒

10. Is this generator part of a topping or bottoming cycle?
-In a topping cycle, electricity is produced first and any waste heat from that production is used in a manufacturing or commercial application.
-In a bottoming cycle, thermal output is used in a process other than electricity production and any waste heat is then used to produce electricity.

Topping ☐

Bottoming ☐

11. What is this generator's predominant energy source? SUN
-Enter the energy source code for the fuel used by this generator in the greatest quantity during the reporting year, as measured in Btus.
-Select this energy source code from Table 28 in the instructions.

12. What are the energy sources used by this generator's combustion units for start-up and flame sazilization?
-Answer only for generators whose prime mover code was ST (Steam turbine.)
-Enter the energy source code for the fuel used by this generator for start-up and flame stabilization during the reporting year, as measured in Btus.
-Select this energy source code from Table 28 in the instructions.

a. b.

c. d.

SCHEDULE 3. PART B. GENERATOR INFORMATION - EXISTING GENERATORS

Report For Operator: SunEnergy1 58466

Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC

Plant Code 58480 **Generator ID** 1

13. What is this generator's second most predominant energy source?

-Enter the energy source code for the fuel used by this generator in the second quantity during the reporting year, as measured in Btus.
-DO NOT include fuel used only for start-up or flame stabilization
-Select this energy source code from Table 28 in the instructions.

14. What other energy sources are used by the generator?

-Enter the energy source code for all other fuels this generator either used or was capable of using during the reporting year, as measured in Btus. Begin with those actually used and then provide those capable of being used.
-Select this energy source code from Table 28 in the instructions.

a. b.

c. d.

15. Is this generator part of a solid fuel gasification system?

Yes ☐ No ☐

16. What is the tested heat rate for this generator?

-The tested heat rate is the fuel consumed, in Btus, necessary to generate one net kilowatt-hour of electric energy.
-Enter the tested heat rate under full load conditions for all combustible-fueled and nuclear-fueled generators.
-See SCHEDULE 3, Part B instructions for additional guidance on reporting the tested heat rate.

17. What fuel was used to determine this generator's tested heat rate?

-Enter the energy source code for the fuel used to calculate the tested heat rate entered in Question 16.
-Select energy source code from Table 28 in the instructions.
-Enter "M" if multiple fuels were used to calculate the tested heat rate.

18. Is the generator associated with a carbon capture process?

Yes ☐ No ☐

19. How many wind turbines, inverters, or hydrokinetic buoys are there at this generator?

-Wind generators should enter the number of wind turbines.
-Solar photovoltaic generators should enter the number of inverters.
-Hydrokinetic generators should enter the number of hydrokinetic buoys.
-All other generators should enter 0.

20. RESERVED FOR FUTURE USE

21. What is the minimum amount of time required to bring this generator from cold shut down to full load?

-Solar and wind generator should skip this question

- ☐ 0 - 10 minutes
- ☐ 10minutes - 1 hour
- ☐ 1 hour - 12 hours
- ☐ More than 12 hours

SCHEDULE 3. PART B. GENERATOR INFORMATION - EXISTING GENERATORS

Report For Operator: SunEnergy1 58466

Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC **Plant Code** 58480

Generator ID 1

22. What is the minimum amount of time needed to bring this generator from a non-spinning reserve status to full load?

-Solar and wind generator should skip this question.

- [ ] 0 - 10 minutes
- [ ] 10minutes - 1 hour
- [ ] 1 hour - 12 hours
- [ ] More than 12 hours

Answer questions on lines 23 and 24 only if generator is fueled by coal or petroleum

23. What combustion technology applies to this generator?

Fluidized Bed	[ ] Yes	[ ] No
Pulverized Coal	[ ] Yes	[ ] No
Stoker	[ ] Yes	[ ] No
Other - Explain in SCHEDULE 7	[ ] Yes	[ ] No

24. What steam condition apply to this generator?

Sub-Critical	[ ] Yes	[ ] No
Super-Critical	[ ] Yes	[ ] No
Ultra Super-Critical	[ ] Yes	[ ] No

Answer questions on lines 25 through 29 only if generator is wind-powered

25. What is the predominant manufacturer of the turbines at this generator?

-Enter "UNKNOWN" if the predominant turbine manufacturer is unknown.

26. What is the predominant model number of the turbines at this g

-Enter "UNKNOWN" if the predominant model number is unknown.

27a. What is the design average annual wind speed for the turbines included in this generator?

(Miles per hour)

-If more than one value exists, select the one that best represents the turbines.

27b. What is the wind quality class for the turbines included in this generator?

-See Table 5 in the SCDEDULE 3, Part B instructions for wind class definitions.

-If more than one wind class exists, select the one that best represents the turbines.

- [ ] Class 1 - High Wind
- [ ] Class 2 - Medium Wind
- [ ] Class 3 - Low Wind
- [ ] Class 4 - Very Low Wind

28. What is the hub height of the turbines in this generator?

-If this generator consists of turbines with multiple hub heights, select the one that best represents the turbines.

29. What is the FAA Obstacle Number assigned to the turbines at this generator?

-If this generator consists of turbines with multiple FAA Obstacle Numbers, select the one that best represents the turbines.

30. What are the solar tracking, concentrating and collector technologies used at this generator?

-Choose the technology that best describes this generator.

- [ ] Lenses/Mirror
- [ ] Parabolic
- [ ] Other
- [ ] Single Axis
- [ ] Linear Fresnel
- [ ] Dual Axis
- [ ] Power Tower
- [x] Fixed Tilt
- [ ] Dish Engine

31. What is the net capacity of this photovolatic generator in direct current (DC) under standard test conditionas (STC) of 1000 W/m2 solar irradiance and 25 degree Celsius PV module temperature?

6.5

(Megawatts)

32. What materials are the photovoltaic panels included in this generator made of? (Select all that apply.)

- [x] Crystalline Silicon
- [ ] Thin-Film (CIGS)
- [ ] Thin-Film (CdTe)
- [ ] Thin-Film (Other)
- [ ] Thin-Film (A-Si)
- [ ] Other

SCHEDULE 3. PART B. GENERATOR INFORMATION - EXISTING GENERATORS

Report For Operator: 58466 SunEnergy1

Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC

Plant Code 58480

PROPOSED CHANGES TO EXISTING GENERATORS

Generator ID 1

If a capacity uprate is planned within the next 10 years, answer Questions 33a - 33c.

33a. What is the expected incremental increase in the net summer capacity? (Megawatts)

33b. What is the expected incremental increase in the net winter capacity? (Megawatts)

33c. What is the planned effective date for this capacity uprate? (MM-YYYY) /

If a capacity derate is planned within the next 10 years, answer Questions 34a - 34c.

34a. What is the expected incremental decrease in the net summer capacity? (Megawatts)

34b. What is the expected incremental decrease in the net winter capacity? (Megawatts)

34c. What is the planned effective date for this capacity derate? (MM-YYYY) /

If a repowering of this generator is planned within the next 10 years, answer Questions 35a - 35d.

35a. What is the expected new prime mover for this generator?

-Select prime mover code from Table 2 in the SCHEDULE 3, Part A of the Instructions.

35b. What is the expected new energy source for this generator?

-Select this energy source code from Table 28 in the instructions.

35c. What is the expected new nameplate capacity for this generator? (Megawatts)

-Report the expected value in megawatts as measured in alternating current.
-If capacity is expressed in kilovolt amperes, convert to megawatts using formula in SCHEDULE 3, Part B instruction line 1a.
-Round nameplate capacity to the nearest tenth.

35d. What is the planned effective date for this repowering? (MM-YYYY) /

-The planned effective date us the date that this generator is scheduled to re-enter operation after the modification.

All respondents should answer questions 36a.

36a. Are any other modifications planned within the next 10 years?

- ☐ Yes - Explain in SCH 7
- ☐ No

If other planned modifications for this generator were indicated in Question 36a., then answer Question 36b.

36b. What is the planned date of these other modifications? /

All respondents should answer question 37a.

37a. Can this generator co-fire fuels?

Note: **Co-firing** means the simultaneous use of two or more fuels by a single combustion system to meet load. Co-firing excludes the limited use of a secondary fuel for start-up or flame stabilization.

- ☐ Yes
- ☐ No

SCHEDULE 3. PART B. GENERATOR INFORMATION - EXISTING GENERATORS

Report For Operator: 58466 SunEnergy1

Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC

Plant Code 58480 **Generator ID** 1

If this generator can co-fire fuels, answer Question 37b.

37b. What are the fuel options for co-firing?

-Skip this question if the generator cannot co-fire fuels.

All respondents should answer Question 38a.

38a.Can this generator switch between oil and natural gas?

☐ Yes
☐ No

Note: **Fuel switching** means the ability of a combustion system running on one fuel to replace that fuel in its entirety with a substitute fuel. Fuel switching excludes the limited use of a secondary fuel for start-up or flame-stabilization.
-Answer yes if the combustion system that powers this generator has, in operating order, the equipment AND the regulatory permits necessary to do so.

If this generator can switch between oil and natural gas, answer Question 38b - 42b.

38b. Can this generator switch between oil and natural gas when operating?

☐ Yes
☐ No

-Skip this question if the generator cannot switch between oil and natural gas.

39a. What is the maximum net summer output achievable when running on natural gas? (Megawatts)

-When providing this figure take into account all applicable legal, regulatory, and technical limits.

39b. What is the maximum net winter output achievable when running on natural gas? (Megawatts)

-When providing this figure take into account all applicable legal, regulatory, and technical limits.

40a. What is the maximum net summer output achievable when running on oil? (Megawatts)

-When providing this figure take into account all applicable legal, regulatory, and technical limits.

40b. What is the maximum net winter output achievable when running on oil? (Megawatts)

-When providing this figure take into account all applicable legal, regulatory, and technical limits.

41a. How much time is required to switch the generator from using 100 percent natural gas to 100 percent oil?

41b. How much time is required to switch this generator from using 100 percent oil to using 100 percent natural gas?

42a. Are there factors that limit this generator's ability to switch from natural gas to oil or from oil to natural gas?

☐ Yes
☐ No

42b. Which factors limit this generator's ability to switch from natural gas to oil or from oil to natural gas?
-Select all that apply.

Limited On-Site Fuel Storage	☐ Yes	☐ No
Air Permit Limits	☐ Yes	☐ No
Other-Explain in SCHEDULE 7	☐ Yes	☐ No

SCHEDULE 3. PART C. GENERATOR INFORMATION - PROPOSED GENERATORS

Report For Operator : SunEnergy1

Reporting as of December 31, 2014 58466

Plant Name Plymouth Solar LLC

EIA Plant Code 58480

Generator ID 1

1a. What is the expected nameplate capacity for this generator?

-Report the highest value in megawatts as measured in alternating current.
-If capacity is expressed in kilovolt amperes, convert to megawatts using formula in SCHEDULE 3, Part C of the instructions.
-Round nameplate capacity to the nearest tenth.

1b. What is this generator's expected nameplate power factor?

-Use the same power factor as the one used to convert the generator's kilovolt ampere measure to megawatts in Question 1a.

2. What is the expected net capacity for this generator?

-Report the expected net summer capacity and expected net winter capacity for primary fuel
-Report in megawatt as measured in alternating current.
-Round capacity to the nearest thenth.

Expected Net summer capacity **Megawatts**

Expected Net winter capacity **Megawatts**

3. What was the status of this proposed generator as of December 31 of the reporting year?

-Select a status code from those listed in Table 6, SCHEDULE 3, Part C Instructions.

4. What is the planned original effective date for this generator? (MM-YYYY)

/

-The planned original effective date is the date that the generator was scheduled to enter operation after construction was completed.
-This date should only be reported once, and should not change once it is reported.

5. What is the planned current effective date for this generator? (MM-YYYY)

/

-The planned current effective date is the date that this generator is scheduled to start operation.

6. Will this generator be associated with a combined heat and power system?

☐ Yes ☐ No

7. Is this generator part of a site that was previously reported as indefinitely postponed or cancelled?

☐ Yes
☒ No

8. What is the predominant expected energy source for this generator?

-Enter the energy source code for the fuel used in the greatest quantity to fuel this generator, as measured in Btus.
-Select this energy source code from Table 28 in the instructions.

9. What is the second most predominant expected energy source for this generator?

-Enter the energy source code for the fuel expected to be used in the second greatest quantity to fuel this generator, as measured in Btus.
-Select this energy source code form Table 28 in the instructions.

SCHEDULE 3. PART C. GENERATOR INFORMATION - PROPOSED GENERATORS

Report For Operator: 58466 SunEnergy1
Reporting as of December 31, 2014

Plant Name Plymouth Solar LLC

EIA Plant Code 58480 **Generator ID** 1

10. What other energy sources do you expect to use for this generator?

-Enter the energy source codes for all other fuels you expect this generator to use in descending order as measured in Btu.
-Select energy source code(s) from Table 28 in the instructions.

11. How many turbines, photovolatic modules, or hydrokinetic buoys is this generator expected to have?

12. What combustion technology will apply to this generator?

-Answer only if htis generator will be fueled by coal or petroleum coke.

Fluidized Bed

Pulverized Coal

Other - Explain in SCHEDULE 7

13. What steam conditions will apply to this generator?

-Answer only if htis generator will be fueled by coal or petroleum coke.

Sub-Critical

Super-Critical

Ultra Super-Critical

14. Will this generator be part of a solid fuel gasification system? ☐ Yes ☐ No

15. Will this generator be associated with a carbon dioxide capture p ☐ Yes ☐ No

Note: **Co-firing** means the simultaneous use of two or more fuels by a single combustion system to meet load. **Fuel** switching means the ability of a combustion system running on one fuel to replace that fuel in its entirety with a substitute fuel. Co-firing and fuel switching exclude the limited use of a secondary fuel for start-up or flame stabilization.

16. Will the combustion system that powers this generator be able to switch between netural gas and oil? ☐ Yes ☐ No

17a. Will this generator co-fire fuels? ☐ Yes ☐ No

17b. What will be the fuel options for co-firing?

-Select up to six energy source code(s) from Table 28 in the instructions.

REPORT FOR OPERATOR SunEnergy1 58466

Reporting as of December 31, 2014

SCHEDULE 7. FOOTNOTES

SCHEDULE (a)	PART	LINE NUMBER (b)	NOTES: (c)

EIA-860 Error Report Log

Report For **SunEnergy1** **58466**

REPORTING PERIOD: As of December 31, 2014

Plant	Gen	Sched	Part	ID	Line	Error#	Error Description / Override Comment	Field Value	Error Type